

Notice of Allowability

Application No.

10/584,130

Examiner

Leo Boutsikaris

Applicant(s)

TSUKAGOSHI ET AL.

Art Unit

2872

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on 6/23/06.
2. ☒ The allowed claim(s) is/are 1-9, 11, 12 and 14-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 6/23/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

LEONIDAS BOUTSIKARIS
PRIMARY EXAMINER

Leo Boutsikaris, Ph.D., Esq.
Primary Patent Examiner, AU 2872
August 28, 2007

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joel Armstrong (Reg. No. 36,430) on 8/28/07.

The application has been amended as follows:

IN THE CLAIMS

Claims 10 and 13 are cancelled.

In claim 15, line 1, "10" is changed to --12--.

The following new claims are added:

17. The holographic recording medium according to claim 2, wherein: the recording layer is sandwiched between two substrates; and the photosensitive protective layer is formed to cover the recording layer and the two substrates.

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18: The holographic recording medium according to claim 12, wherein the two substrates are made of optical glass plates formed by dispersion, into an optical glass material, a light absorbing material for absorbing or reflecting light at least in the range of shorter wavelengths out of the ranges of longer wavelengths and shorter wavelengths than the certain range of wavelengths across the recording wavelength, and transmitting light in the certain range of wavelengths selectively.

The following is an examiner's statement of reasons for allowance:

Claims 1-9, 11-12, 14-18 are allowable over the prior art of record for at least the reason that even though the prior art discloses a holographic recording medium comprising a protective cover covering the recording layer, wherein the protective cover blocks UV light and transmits all non-UV light, or only transmits light within a certain range, the prior art fails to teach or reasonably suggest a holographic recording medium, wherein the photosensitivity of the recording layer to incident light falls in the vicinity of the recording wavelength from shorter to longer wavelengths, and the light transmittance of the photosensitive protective layer falls in the vicinity of the recording wavelength from longer to shorter wavelengths, as set forth by the claimed combination.

Chen (US 2004/0264356, Fig. 3) discloses a holographic data storage medium, wherein a photosensitive protective cover covering the recording layer prevents the transmission of UV light, whereas it allows non-UV light to pass through ([0021]), or allows the transmission of

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light within a certain range ([0022]). However, nowhere does Chen disclose the photosensitivity properties of the recording layer.

Kushibiki (EP 0291928 A2, Fig. 1) discloses a holographic data storage medium, wherein the recording layers is provided peelably on a substrate whose light transmittance is higher than 30% in the visible range.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Leo Boutsikaris whose telephone number is 571-272-2308. The examiner can normally be reached on M-F, 10-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephone Allen can be reached on 571-272-2434. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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August 28, 2007



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